

NESHAPS - TANK EMISSIONS AND CONTAINMENT PROGRAM

SUMMARY - SCOPE OF WORK

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UNIT NO. 2

1.0 F.L. WEIR TANK NO. 1

Overall dimensions - 6 ft. Dia. x 14 ft. H
Construction - Cast iron, vertical with
asbestos-containing mastic

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Remove asbestos-containing mastic (200 sq ft)
- Install Dike containment (as part of tank farm)

2.0 F.L. WEIR TANK NO. 2

Overall dimensions - 5 ft. Dia. x 14 ft. H
Construction - Cast iron, vertical with asbestos-
containing mastic

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Remove asbestos-containing mastic (200 sq ft)
- Install Dike containment (as part of tank farm)

3.0 F.L. DECANTER NO. 7

Capacity - 80,000 gallons
Overall dimensions - 28 ft. W x 12.5 ft. D x 50 ft. Lg.
Construction - Welded steel, horizontal,
with asbestos-containing mastic

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Remove sludge heel (4200 gal)
- Remove asbestos-containing mastic (2100 sq ft)

- Install Dike containment (as part of tank farm)
- Apply 1-1/2" new urethane foam insulation

4.0 F.L. DECANTER NO. 8

Capacity - 80,000 gallons
 Overall dimensions - 28 ft. W x 12.5 ft. D x 50 ft. Lg.
 Construction - Welded steel, horizontal
 with urethane foam insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Remove sludge heel (4200 gal)
- Remove urethane foam insulation (2100 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 1-1/2" new urethane foam insulation

5.0 F.L. DECANTER NO. 9

Capacity - 80,000 gallons
 Overall dimensions - 28 ft. W x 12.5 ft H x 50 ft. Lg.
 Construction - Welded steel w/ concrete roof, horizontal,
 with asbestos-containing mastic

SCOPE OF WORK:

- Install Gas Blanketing
- Demolish tank
- Erect replacement tank (in-kind)
- Remove sludge heel (4200 gal)
- Remove asbestos-containing mastic (2100 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 1-1/2" new urethane foam insulation

6.0 F.L. DECANTER NO. 10

Capacity - 80,000 gallons
 Overall dimensions - 28 ft. W x 12.5 ft. D x 50 ft. Lg.
 Construction - Welded steel, horizontal,
 with asbestos-containing mastic

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Remove sludge heel (4200 gal)
- Remove asbestos-containing mastic (2100 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 1-1/2" new urethane foam insulation

7.0 F.L. DECANTER NO. 11

Capacity - 80,000 gallons
Overall dimensions - 28 ft. W x 12.5 ft. D x 50 ft. Lg.
Construction - Welded steel, horizontal,
with asbestos-containing mastic

SCOPE OF WORK:

- Remove sludge heel (4200 gal)
- Remove asbestos-containing mastic (2100 sq ft)
- Demolish tank

8.0 F.L. DECANTER NO. 12

Capacity - 80,000 gallons
Overall dimensions - 28 ft. W x 12.5 ft. D x 50 ft. Lg.
Construction - Welded steel, horizontal,
with urethane foam insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Remove sludge heel (4200 gal)
- Remove urethane foam insulation (2100 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 1-1/2" new urethane foam insulation

9.0 TAR COLLECTING TANK NO. 1

Capacity - 20,000 gallons
Overall dimensions - 10 ft. Dia. x 34 ft. Lg.
Construction - Welded steel, horizontal with
asbestos blanket insulation

SCOPE OF WORK:

- Demolish tank
- Remove sludge heel (1000 gal)
- Remove asbestos blanket insulation (1200 sq ft)

10.0 TAR COLLECTING TANK NO. 2

Capacity - 20,000 gallons
Overall dimensions - 10 ft. Dia. x 34 ft. Lg.
Construction - Welded steel, horizontal,
with asbestos blanket insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Remove sludge heel (1000 gal)
- Remove asbestos blanket insulation (1200 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

11.0 TAR COLLECTING TANK NO. 3

Capacity - 20,000 gallons
Overall dimensions - 10 ft. Dia. x 34 ft. Lg.
Construction - Welded steel, horizontal with
asbestos blanket insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Remove sludge heel (1000 gal)
- Remove asbestos blanket insulation (1200 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

12.0 TAR COLLECTING TANK NO. 4

Capacity - 20,000 gallons
Overall dimensions - 10 ft. Dia. x 34 ft. Lg.
Construction - Welded steel, horizontal,
with asbestos blanket insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Remove sludge heel (1000 gal)
- Remove asbestos blanket insulation (1200 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

13.0 TAR COLLECTING TANK NO. 5

Capacity -20,000 gallons
Overall dimensions - 10 ft. Dia. x 34 ft. Lg.
Construction - Welded steel, horizontal,
with asbestos blanket insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Remove sludge heel (1000 gal)
- Remove asbestos blanket insulation (1200 sq ft)

- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

14.0 TAR COLLECTING TANK NO. 6

Capacity - 20,000 gallons
 Overall dimensions - 10 ft. Dia. x 34 ft. Lg.
 Construction - Welded steel, horizontal with
 asbestos blanket insulation

SCOPE OF WORK:

- Demolish tank (TANK IS PRESENTLY OUT OF SERVICE)
- Remove sludge heel (1000 gal)
- Remove asbestos blanket insulation (1200 sq ft)

15.0 HOT DRAIN TANK NOS. 5 & 6

Capacity - 185,000 combined gallons
 Overall dimensions - 35 ft. W x 10 ft. D x 83 ft. L
 Construction - Welded steel, horizontal with
 asbestos-containing mastic

SCOPE OF WORK:

- Demolish tank
- Remove sludge heel (10,000 gal) (Tank No. 5)
- Remove sludge heel (12,000 gal) (Tank No. 6)
- Remove asbestos-containing mastic (2400 combined sq ft)

16.0 HOT DRAIN TANK NO. 6

Refer to Item 15.0 above

17.0 HOT DRAIN TANK NO. 7 (B)

Capacity - 145,500 gallons
 Overall dimensions - 23 ft. W x 10 ft. D x 99.5 ft. L
 Construction - Welded steel, horizontal with
 asbestos-containing mastic

SCOPE OF WORK:

- Demolish tank
- Remove sludge heel (35,000 gal)
- Remove asbestos blanket insulation (2500 sq ft)

18.0 F.L. COLLECTION TANK NO. 1 (replaces Hot Drain Tank No.5)

Capacity - 60,000 gallons
Overall dimensions - 28.5 ft. Dia. x 13 ft. H
Construction - Welded steel, vertical,
with no insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Erect new tank
- Install Dike containment (as part of tank farm)

19.0 F.L. COLLECTION TANK NO. 2 (replaces Hot Drain Tank No.6)

Capacity - 60,000 gallons
Overall dimensions - 28.5 ft. Dia. x 13 ft. H
Construction - Welded steel, vertical,
with no insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Erect new tank
- Install Dike containment (as part of tank farm)

20.0 F.L. COLLECTION TANK NO. 3 (replaces Hot Drain Tank No. 7 (8))

Capacity - 35,000 gallons
Overall dimensions - 22.5 ft. Dia. x 13 ft. H
Construction - Welded steel, vertical,
with no insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Erect new tank
- Install Dike containment (as part of tank farm)

21.0 PRIMARY COOLER CONDENSATE TANK NO. 1

Capacity - 10,000 gallons
Overall dimensions - 10 ft. Dia. x 17 ft. Lg.
Construction - Welded steel, horizontal,
with no insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Erect new tank
- Install Dike containment (as part of tank farm)

22.0 PRIMARY COOLER CONDENSATE TANK NO. 2

Capacity - 10,000 gallons
Overall dimensions - 10 ft. Dia. x 17 ft. Lg.
Construction - Welded steel, horizontal,
with no insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Erect new tank
- Install Dike containment (as part of tank farm)

23.0 TAR STORAGE TANK NO. 5 (convert to Final Cooler Tar Supply)

Capacity - 500,000 gallons
Overall dimensions - 50 ft. Dia. x 36 ft. H
Construction - Riveted steel, vertical,
with asbestos-containing mastic
and fiberglass blanket insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Remove sludge heel (200,000 gal)
- Remove fiberglass blanket insulation (5600 sq ft)
- Remove asbestos-containing mastic (5600 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

ALTERNATE SCOPE OF WORK:

- Install Gas Blanketing
- Demolish tank
- Erect replacement tank (in-kind)
- Remove sludge heel
- Remove fiberglass blanket insulation
- Remove asbestos-containing mastic
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

24.0 TAR STORAGE TANK NO. 6 (convert to Final Cooler Tar Supply)

Capacity - 500,000 gallons
Overall dimensions - 50 ft. Dia. x 36 ft. H
Construction - Riveted steel, vertical,
with asbestos-containing mastic
and asbestos blanket insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank

- Remove sludge heel (200,000 gal)
- Remove asbestos-containing mastic (5600 sq ft)
- Remove asbestos blanket insulation (5600 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

ALTERNATE SCOPE OF WORK:

- Install Gas Blanketing
- Demolish tank
- Erect replacement tank (in-kind)
- Remove sludge heel
- Remove asbestos-containing mastic
- Remove asbestos blanket insulation
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

25.0 TAR STORAGE TANK NO. 7 (convert to Final Cooler Tar Return)

Capacity - 500,000 gallons
 Overall dimensions - 50 ft. Dia. x 36 ft. H
 Construction - Riveted steel, vertical,
 with asbestos-containing mastic and
 non-asbestos blanket insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Demolish tank
- Erect replacement tank (in-kind)
- Remove sludge heel (200,000 gal)
- Remove non-asbestos blanket insulation (5600 sq ft)
- Remove asbestos-containing mastic (5600 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

26.0 TAR STORAGE TANK NO. 8 (convert to Final Cooler Tar Return)

Capacity - 500,000 gallons
 Overall dimensions - 50 ft. Dia. x 36 ft. H
 Construction - Riveted steel, vertical,
 with asbestos-containing mastic
 and fiberglass blanket insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Remove sludge heel (200,000 gal)
- Remove fiberglass blanket insulation 5600 sq ft)
- Remove asbestos-containing mastic (5600 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

ALTERNATE SCOPE OF WORK:

- Install Gas Blanketing
- Demolish tank
- Erect replacement tank (in-kind)
- Remove sludge heel
- Remove fiberglass blanket insulation
- Remove asbestos-containing mastic
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

27.0 TAR STORAGE TANK NO. 8

Capacity - 500,000 gallons
Overall dimensions - 50 ft. Dia. x 36 ft. H
Construction - Welded steel, vertical,
with asbestos-containing mastic
and fiberglass blanket insulation

SCOPE OF WORK:

- Demolish tank
- Remove sludge heel (200,000 gal)
- Remove fiberglass blanket insulation (5600 sq ft)
- Remove asbestos-containing mastic (5600 sq ft)

28.0 TAR SEPARATING TANK NO. 3 (convert to Ammonia Liquor Storage)

Capacity - 500,000 gallons
Overall dimensions - 45 ft. Dia. x 45 ft. H
Construction - Riveted steel, vertical,
with asbestos-containing mastic
and non-asbestos blanket insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Demolish tank
- Erect new tank
- Remove sludge heel (200,000 gal)
- Remove non-asbestos blanket insulation (6400 sq ft)
- Remove asbestos-containing mastic (6400 sq ft)
- Install Dike containment (as part of tank farm)

29.0 TAR SEPARATING TANK NO. 4

Capacity - 500,000 gallons
Overall dimensions - 45 ft. Dia. x 45 ft. H
Construction - Riveted steel, vertical
with asbestos-containing mastic
and non-asbestos blanket insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Demolish tank
- Erect replacement tank (in-kind)
- Remove sludge heel (200,000 gal)
- Remove non-asbestos blanket insulation (6400 sq ft)
- Remove asbestos-containing mastic (6400 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S.jacketing

30.0 TAR SEPARATING TANK NO. 5

Capacity - 500,000 gallons
Overall dimensions - 45 ft. Dia. x 45 ft. H
Construction - Riveted steel, vertical,
with asbestos-containing mastic
and non-asbestos blanket insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Demolish tank
- Erect replacement tank (in-kind)
- Remove sludge heel (200,000 gal)
- Remove non-asbestos blanket insulation (6400 sq ft)
- Remove asbestos-containing mastic (6400 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

31.0 TAR SEPARATING TANK NO. 6

Capacity - 500,000 gallons
Overall dimensions - 45 ft. Dia. x 45 ft. H
Construction - Riveted steel, vertical,
with asbestos-containing mastic
and non-asbestos blanket insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Demolish tank
- Erect replacement tank (in-kind)
- Remove sludge heel (200,000 gal)
- Remove non-asbestos blanket insulation (6400 sq ft)
- Remove asbestos-containing mastic (6400 sq ft)
- Install Dike containment (as part of tank farm)
- Apply 2" fiberglass insulation w/ S.S. jacketing

32.0 FINAL COOLER SUMP

Capacity - 200,000 gallons
Overall dimensions - 42 ft. W x 14 ft. D x 74 ft. Lg.
Construction - Concrete, (3) compartments, steel cover

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank
- Replace cover

33.0 AMMONIA STILL FEED TANK NO. T-1 (WWT)

Capacity - 3,000,000 gallons
Overall dimensions - 100 ft. Dia. x 52 ft. H
Construction - Steel, vertical, with no insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Rehabilitate tank

34.0 AMMONIA STILL FEED TANK NO. T-3

Capacity - 3,000,000 gallons
Overall dimensions - 100 ft. Dia. x 52 ft. H
Construction - Welded steel, vertical, with
no insulation

SCOPE OF WORK:

- Install Gas Blanketing
- Erect new tank

35.0 PRIMARY COOLER LIQUOR PUMPS

Three (3) Horizontal, centrifugal
Rating: 300 gpm
1.0 S.G. @ 150 F

SCOPE OF WORK:

- Install new pumps

36.0 AMMONIA STILL FEED PUMPS

Two (2) Horizontal, centrifugal
Rating: 1200 gpm
1.0 S.G. @ 150 F

SCOPE OF WORK:

- Install new pumps

37.0 NO.9 CREOSOTE VENTED VAPOR TANK

Capacity - 11,000 gallons
Overall dimensions - (not available)
Construction - Welded steel, horizontal with
no insulation

SCOPE OF WORK:

- Demolish tank (TANK IS PRESENTLY OUT OF SERVICE)
- Remove sludge heel (1000 gal)

38.0 TAR LOADING TANK

Capacity - (not available)
Overall dimensions - (not available)
Construction - Riveted steel, horizontal with
asbestos-containing mastic

SCOPE OF WORK:

- Demolish tank (TANK IS PRESENTLY OUT OF SERVICE)
- Remove sludge heel (1000 gal)
- Remove asbestos-containing mastic (1000 sq ft)

39.0 NO.9 CREOSOTE VENTED VAPOR PUMP NO. 1

- Rating: (not available)

SCOPE OF WORK:

- Demolish pumps

40.0 NO.9 CREOSOTE VENTED VAPOR PUMP NO. 2

Rating: (not available)

SCOPE OF WORK:

- Demolish pumps

41.0 AMMONIA STORAGE TANK NO. 3

Previously demolished and removed from Clairton Works

42.0 AMMONIA STORAGE TANK NO. 4

Previously demolished and removed from Clairton Works